

## **WELDING, CUTTING AND BRAZING**

- ☐ Are only authorized and trained personnel permitted to use welding, cutting or brazing equipment?

**Action to be Taken**

**Assigned To:**

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- ☐ Does each operator have a copy of the appropriate operating instructions and are they directed to follow them?

**Action to be Taken**

**Assigned To:**

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- ☐ Are compressed gas cylinders regularly examined for obvious signs of defects, deep rusting, or leakage?

**Action to be Taken**

**Assigned To:**

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- ☐ Is care used on handling and storage of cylinders, safety valves, relief valves, etc., to prevent damage?

**Action to be Taken**

**Assigned To:**

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- ☐ Are oxygen cylinders in storage separated from fuel-gas cylinders or combustible materials (especially oil or grease), a minimum distance of 20 feet or by a noncombustible barrier at least 5 feet high having a fire-resistance rating of at least one-half hour?

**Action to be Taken**

**Assigned To:**

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- ☐ Are only approved apparatus (torches, regulators, pressure-reducing valves, acetylene generators, manifolds) used?

**Action to be Taken**

**Assigned To:**

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- ☐ Are cylinders kept away from sources of heat?

**Action to be Taken**

**Assigned To:**

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- ☐ Are the cylinders kept away from elevators, stairs, or gangways?

**Action to be Taken**

**Assigned To:**

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## Welding, Cutting and Brazing

- ☐ Is it prohibited to use cylinders as rollers or supports?

**Action to be Taken**

**Assigned To:**

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- ☐ Are empty cylinders appropriately marked and their valves closed?

**Action to be Taken**

**Assigned To:**

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- ☐ Are signs reading: DANGER - NO SMOKING, MATCHES, OR OPENLIGHTS, or the equivalent, posted?

**Action to be Taken**

**Assigned To:**

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- ☐ Are cylinders, cylinder valves, couplings, regulators, hoses, and apparatus kept free of oily or greasy substances?

**Action to be Taken**

**Assigned To:**

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- ☐ Is care taken not to drop or strike cylinders?

**Action to be Taken**

**Assigned To:**

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- ☐ Unless secured on special trucks, are regulators removed and valve-protection caps put in place before moving cylinders?

**Action to be Taken**

**Assigned To:**

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- ☐ Do cylinders without fixed hand wheels have keys, handles, or non-adjustable wrenches on stem valves when in service?

**Action to be Taken**

**Assigned To:**

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- ☐ Are liquefied gases stored and shipped valve-end up with valve covers in place?

**Action to be Taken**

**Assigned To:**

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- ☐ Are provisions made to never crack a fuel-gas cylinder valve near sources of ignition?

**Action to be Taken**

**Assigned To:**

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- ☐ Before a regulator is removed, is the valve closed and gas released from the regulator?

**Action to be Taken**

**Assigned To:**

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- ☐ Is red used to identify the acetylene (and other fuel-gas) hose, green for oxygen hose, and black for inert gas and air hose?

**Action to be Taken**

**Assigned To:**

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- ☐ Are pressure-reducing regulators used only for the gas and pressures for which they are intended?

**Action to be Taken**

**Assigned To:**

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- ☐ Is open circuit (No Load) voltage of arc welding and cutting machines as low as possible and not in excess of the recommended limits?

**Action to be Taken**

**Assigned To:**

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- ☐ Under wet conditions, are automatic controls for reducing no load voltage used?

**Action to be Taken**

**Assigned To:**

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- ☐ Is grounding of the machine frame and safety ground connections of portable machines checked periodically?

**Action to be Taken**

**Assigned To:**

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- ☐ Are electrodes removed from the holders when not in use?

**Action to be Taken**

**Assigned To:**

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- ☐ Is it required that electric power to the welder be shut off when no one is in attendance?

**Action to be Taken**

**Assigned To:**

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- ☐ Is suitable fire extinguishing equipment available for immediate use?

**Action to be Taken**

**Assigned To:**

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## Welding, Cutting and Brazing

- ☐ Is the welder forbidden to coil or loop welding electrode cable around his body?

**Action to be Taken**

**Assigned To:**

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- ☐ Are wet machines thoroughly dried and tested before being used?

**Action to be Taken**

**Assigned To:**

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- ☐ Are work and electrode lead cables frequently inspected for wear and damage, and replaced when needed?

**Action to be Taken**

**Assigned To:**

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- ☐ Do means for connecting cable lengths have adequate insulation?

**Action to be Taken**

**Assigned To:**

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- ☐ When the object to be welded cannot be moved and fire hazards cannot be removed, are shields used to confine heat, sparks, and slag?

**Action to be Taken**

**Assigned To:**

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- ☐ Are firewatchers assigned when welding or cutting is performed in locations where a serious fire might develop?

**Action to be Taken**

**Assigned To:**

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- ☐ Are combustible floors kept wet, covered by damp sand, or protected by fire-resistant shields?

**Action to be Taken**

**Assigned To:**

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- ☐ When floors are wet down, are personnel protected from possible electrical shock?

**Action to be Taken**

**Assigned To:**

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- ☐ When welding is done on metal walls, are precautions taken to protect combustibles on the other side?

**Action to be Taken**

**Assigned To:**

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## Welding, Cutting and Brazing

- ☐ Before hot work is begun, are used drums, barrels, tanks, and other containers so thoroughly cleaned that no substances remain that could explode, ignite, or produce toxic vapors?

**Action to be Taken**

**Assigned To:**

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- ☐ Is it required that eye protection helmets, hand shields and goggles meet appropriate standards?

**Action to be Taken**

**Assigned To:**

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- ☐ Are employees exposed to the hazards created by welding, cutting, or brazing operations protected with personal protective equipment and clothing?

**Action to be Taken**

**Assigned To:**

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- ☐ Is a check made for adequate ventilation in and where welding or cutting is performed?

**Action to be Taken**

**Assigned To:**

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- ☐ When working in confined places, are environmental monitoring tests taken and means provided for quick removal of welders in case of emergency?

**Action to be Taken**

**Assigned To:**

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